

1. Dwellings created by conversion (4no.) - Construction Specification for Part L1B Compliance			
Project:	Date:	Our reference:	Version :
Converted Flats (4no.) 34-36 Southdown Road, Bognor Regis PO21 2JR	18th January 2020	YA-13	1
1. Construction and insulation			
Element			U-Value (W/m ² K)
<u>a) Ground floor – timber</u> Existing floor. The existing floor achieves a U-value of to 0.63 and therefore satisfies the Threshold U-value set out in Approved Document L1B. Table 3, so there is no requirement to upgrade. The U-value has been calculated based on the P/A of the whole ground floor area. Comment; Meets Approved Document LIB Threshold U-values.			0.63
<u>b) External cavity walls</u> Render on circa 250mm brick cavity walls. To be upgraded using 60mm Thermaline Super or similar on plaster dabs. Comment; Meets Approved Document LIB recommended U-value for the upgrading of retained thermal elements.			0.30
<u>c) Party wall between No. 34 and No.36</u> Solid brick cavity wall.			0.00
<u>d) Party wall between Entrance and adjacent Flat</u> Timber stud wall with acoustic upgrade, including acoustic quilt between studs, with effective edge sealing at all exposed edges and in line with insulation layers in abutting elements.			0.20
<u>e) Party wall between Flat and new dwelling to rear</u> Cavity blockwork wall, with full fill insulation, and effective edge sealing at all exposed edges and in line with insulation layers in abutting elements.			0.00
<u>f) Roof – top floor Flats</u> 100mm mineral wool quilt between joists, 170mm mineral wool quilt cross-laid over joists, 12.5mm plasterboard finish. Comment; Meets Approved Document LIB recommended U-value for the upgrading of retained thermal elements.			0.16
<u>g) Windows- existing</u> Existing double glazed windows retained. Assumed to comprise UPVC frame, double glazed, low E-glass, 16mm gap between panes.			1.7

<u>h) Windows – new</u> To comprise UPVC frame, double glazed, low E-glass, 16mm gap between panes. Comment; Meets Approved Document LIB recommended standard for controlled fittings.	1.6
<u>i) External solid door, half-glazed doors</u> New timber or UPVC door. Comment; Meets Approved Document LIB recommended standard for controlled fittings.	1.80
2. Heating and Ventilation	
<u>a) Main Heating System</u> New mains gas combination boiler with a SAP 2012 seasonal efficiency of at least 89%. Heating emitted via radiators.	
<u>b) Secondary Heating System</u> None proposed.	
<u>c) Water Heating</u> From main heating system. Hot water timed separately.	
<u>d) Heating Controls</u> Programmer, room thermostat and TRVs to radiators.	
<u>e) Ventilation</u> System 1 - Background ventilators & intermittent extract fans, or passive stack ventilation (system 1 or 2 in Approved Document F1, 2010).	
3. Other energy related issues	
<u>a) Lighting (internal)</u> 75% Low-energy light fittings.	
<u>b) Electricity Tariff</u> Standard Tariff.	
<u>c) Electricity Generation</u> Not applicable.	
4. As- Built SAP and EPC - Converted Flats (4no.) 34-36 Southdown Road, Bognor Regis PO21 2JR This section is to be completed when the final SAP and EPC are required upon completion of the dwelling(s).	
(1) Has there been any changes to the specification above (list changes above, or state " no changes"	
Signed : Name ;.	Date ; Job Title / Role :

2. New Dwellings (2no.) - Construction Specification for Part L1A Compliance

Project:	Date:	Our reference:	Version
New dwellings (2no.) 34-36 Southdown Road, Bognor Regis PO21 2JR	18th January 2020	YA-13	1
1. Construction and insulation			
Element			U-Value (W/m ² K)
<u>a) Ground floor</u> 75mm screed on 140mm Recticel or similar on a suspended concrete floor.			0.14
<u>b) External wall – Facing brick</u> Facing brick, 50mm clear cavity, 50mm Recticel partial cavity fill, 100mm Celcon Standard or similar, 12.5mm plasterboard on dabs finish.			0.25
<u>c) Party wall</u> Cavity blockwork wall, with full fill insulation, and effective edge sealing at all exposed edges and in line with insulation layers in abutting elements.			0.00
<u>d) Sloping ceilings</u> 140mm Recticel GP between rafters, and 40mm Recticel GP below rafters, 12.5mm plasterboard finish.			0.16
<u>e) Windows/ fully glazed doors</u> UPVC frame double-glazed, low E glass. Manufacturer's U-value confirmation to be provided.			1.5
<u>f) Roof lights</u> Velux or similar double glazed roof lights. Manufacturer's U-value confirmation to be provided.			1.3
<u>g) Single solid doors</u> UPVC solid or half-glazed doors. Manufacturer's U-value confirmation to be provided.			1.4
<u>h) Air tightness</u> A design air permeability of 4.0m ³ /h/m ² , to be confirmed by air pressure testing.			
<u>i) Thermal Bridging Junctions</u> Thermal bridging junctions to be constructed in accordance with the Aircrete Constructive Details for partial cavity fill – see http://www.constructivedetails.co.uk/wp-content/uploads/2015/02/book1.pdf . Relevant site checklists to be completed by Builder as work proceeds.			

2. Heating and Ventilation	
<u>a) Main Heating System</u> New mains gas combination boiler with a SAP 2012 seasonal efficiency of at least 89%. Heating emitted via radiators.	
<u>b) Secondary System</u> None proposed.	
<u>c) Water Heating</u> From main heating system. Hot water timed separately.	
<u>d) Heating Controls</u> Fully independent time and temperature zone control.(note; separate plumbing circuits required, either with its own programmer, or separate channels in the same programmer. Programmer to have delayed ' optimum start function as additional control	
<u>e) Ventilation</u> Natural ventilation, System 1 with extract fans to wet rooms.	
3. Other energy related issues	
<u>a) Lighting (internal)</u> 100% Low-energy light fittings in accordance with Part L1A.	
<u>b) Electricity Tariff</u> Standard Tariff.	
<u>c) Photovoltaic panels</u> To be installed to at least one dwelling with an output of 0.3kWp.	
4. As- Built SAP and EPC - New dwellings (2no.) 34-36 Southdown Road, Bognor Regis PO21 2JR This section is to be completed when the final SAP and EPC are required upon completion of the dwelling(s).	
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